

FIG. 1

Common Name	R <sup>1</sup>	R <sup>2</sup>	R <sup>3</sup>	R <sup>4</sup>	R <sup>5</sup>
Deoxynivalenol	=O	OH	OH	H	OH
3-Acetyl-Deoxynivalenol	=O	OH	OH	H	OAc <sup>a</sup>
15-Acetyl-Deoxynivalenol	=O	OH	OAc	H	OH
Triacetyl-Deoxynivalenol	=O	OAc	OAc	H	OAc
Nivalenol	=O	OH	OH	OH	OH
Fusarenon-X	=O	OH	OH	OAc	OH
Trichothecolone	=O	H	H	OH	H
Trichothecin	=O	H	H	X <sup>b</sup>	H
Isotrichodermin	H <sub>2</sub>	H	H	H	OAc
8-Hydroxy-Isotrichodermin	OH	H	H	H	OAc
Scirpentriol	H <sub>2</sub>	H	OH	OH	OH
Diacetoxyscirpenol	H <sub>2</sub>	H	OAc	OAc	OH
T-2 Toxin	ISV <sup>c</sup>	H	OAc	OAc	OH
T-2 Triol	ISV	H	OH	OH	OH
T-2 Tetraol	OH	H	OH	OH	OH
HT-2 Toxin	ISV	H	OAc	OH	OH
Neosolaniol	ISV	H	OAc	OAc	OH
Verrucarol	H <sub>2</sub>	H	OH	OH	H

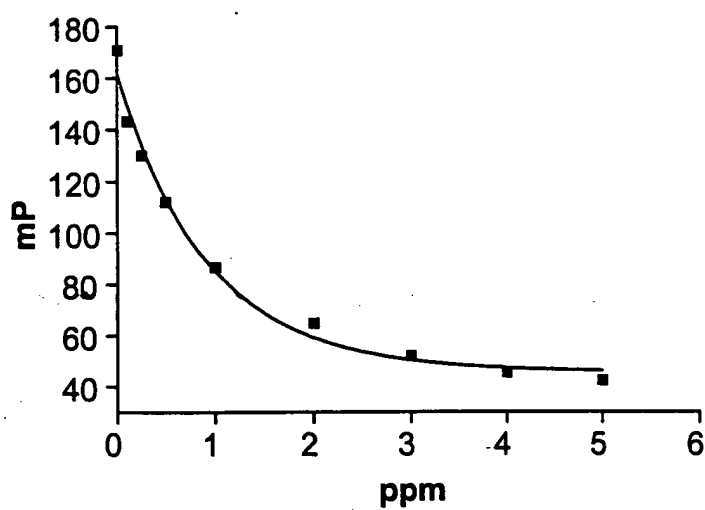
<sup>a</sup> OAc represents -OCOCH<sub>3</sub>.

<sup>b</sup> X represents -OCOCH=CHCH<sub>3</sub>.

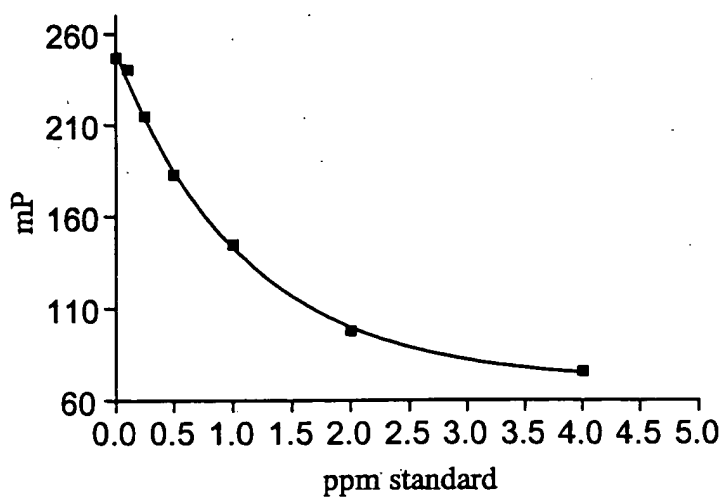
<sup>c</sup> ISV represents -OCOCH<sub>2</sub>CH(CH<sub>3</sub>)<sub>2</sub>.

FIG. 2

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**FIG. 3**



**FIG. 4**

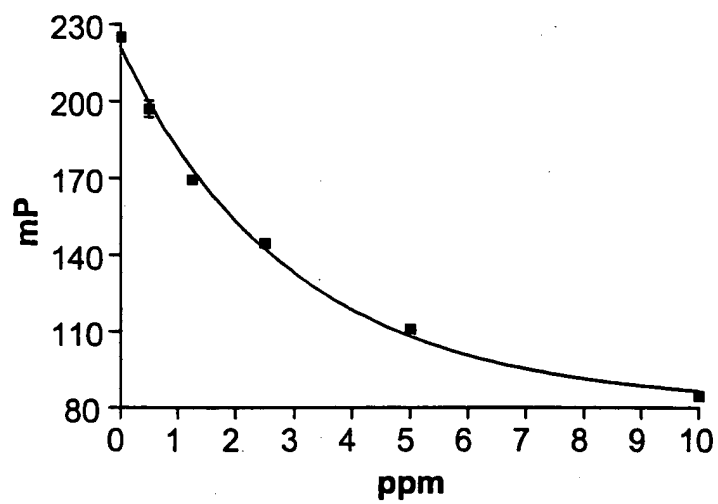


FIG. 5

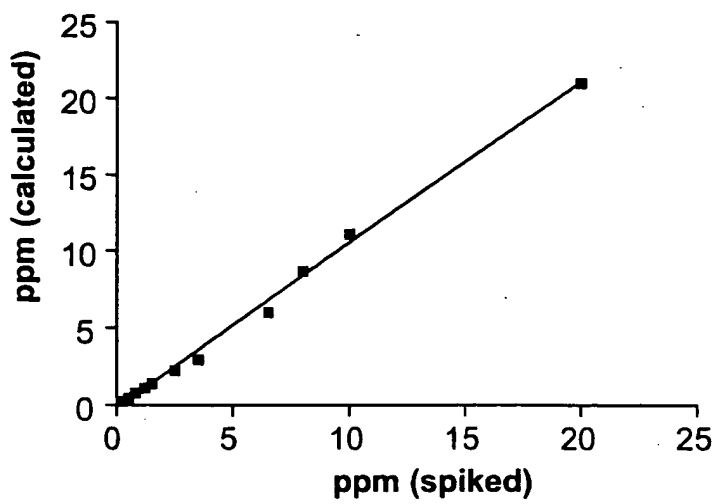


FIG. 6

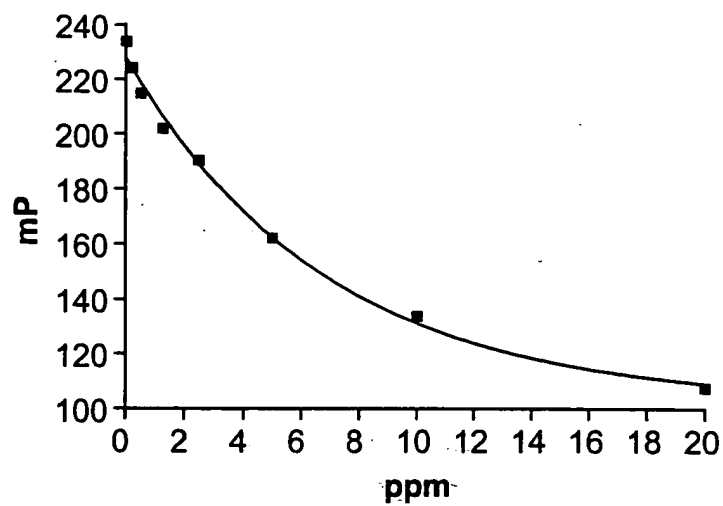


FIG. 7

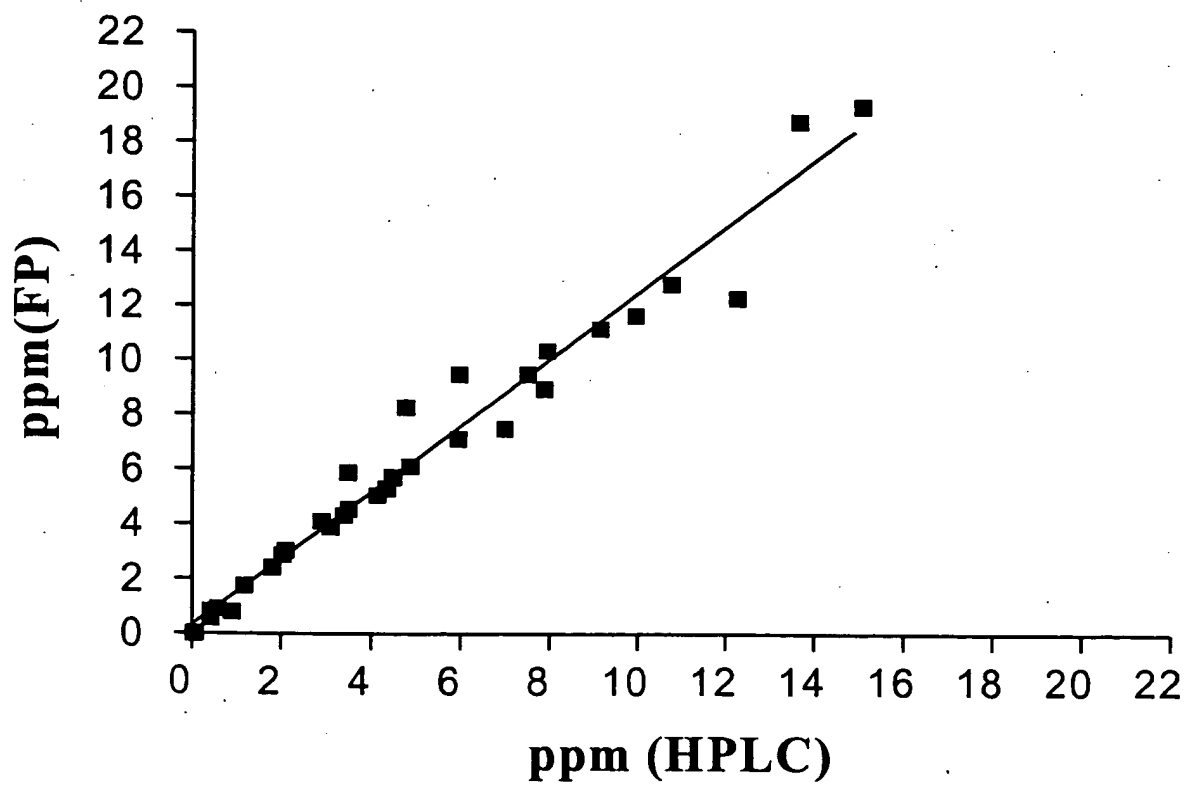


FIG. 8